NEUROSCIENCE & BIOBEHAVIORAL REVEIWS

VOLUME 5 NUMBER 1 SPRING 1981

CONTENTS

Changes in body temperature after administration of antipyretics, LSD, Δ^9-THC, CNS depressants and stimulants, hormones, inorganic ions, gases, 2,4-DNP and miscellaneous agents. CLARK, W. G. and Y. L. CLARK 1

Neurophysiology and neuropharmacology of cardiovascular regulation and stress. GALOSY, R. A., L. K. CLARKE, M. R. VASKO and I. L. CRAWFORD 137

Progress in experimental phenylketonuria: A critical review. VORHEES, C. V., R. E. BUTCHER and H. K. BERRY 177

BOOK REVIEW

Marcus Jacobson (Ed.): *Developmental Neurobiology, Second Edition* KUTSCHER, C. L. ... 191

ANNOUNCEMENTS 193

NEUROSCIENCE & BIOBEHAVIORAL REVIEWS

VOLUME 5 NUMBER 2 SUMMER 1981

CONTENTS

Speculations on the mechanism of action of hallucinogenic indolealkylamines. GLENNON, R. A. and J. A. ROSECRANS 197

The interaction of alcohol and stress. A review. POHORECKY, L. A. 209

Animal models and human depressive disorders. KATZ, R. J. 231

Acute and chronic stress effects on open field activity in the rat: Implications for a model of depression. KATZ, R. J., K. A. ROTH and B. J. CARROLL 247

Further studies on a novel animal model of depression: Therapeutic effects of a tricyclic antidepressant. ROTH, K. A. and R. J. KATZ 253

Amphetamine and tranylcypromine in an animal model of depression: Pharmacological specificity of the reversal effect. KATZ, R. J., K. A. ROTH and K. SCHMALTZ 259

Amitriptyline and scopolamine in an animal model of depression. KATZ, R. J. and S. HERSH 265

Animal model of depression: Effects of electroconvulsive shock therapy. KATZ, R. J. 273

Drugs and taste aversion. RONDEAU, D. B., F. B. JOLICOEUR, A. D. MERKEL and M. J. WAYNER 279

BOOK REVIEW

S. Finger (Ed.): *Recovery from Brain Damage*. KUTSCHER, C. L. 295

ANNOUNCEMENTS 297

NEUROSCIENCE & BIOBEHAVIORAL REVIEWS

VOLUME 5 NUMBER 3 FALL 1981

CONTENTS

Preface 305

I. BEHAVIORAL PHARMACOLOGY

Behavior analysis and experimental pharmacology. TODOROV, J. C. 307

An analysis of drug-seeking behavior in animals. SCHUSTER, C. R. and C. E. JOHANSON 315

Pharmacological studies of behavioral influences on cardiovascular function. KELLEHER, R. T., W. H. MORSE and J. A. HERD 325

II. EXPERIMENTAL PSYCHOPATHOLOGY

Adjunctive polydipsia as a model of alcoholism. COLOTLA, V. A. 335

The paradox of persisting self-punitive behavior. BROWN, J. S. and C. L. CUNNINGHAM 343

Extrapolation of two-factor learning theory of infrahuman avoidance behavior to psychopathology. LEVIS, D. J. 355

III. CLINICAL APPLICATIONS

Conditioning and recovery of functions lost by brain damage. ALCARAZ, V. M., I. CASTRO-VELÁZQUEZ, S. DE LA CRUZ and G. DEL VALLE 371

Pain: A verbal response. SCHOENFELD, W. N. 385

Behavioral methods in medical rehabilitation. FORDYCE, W. E. 391

Clinical biofeedback: A behavioral analysis. ENGEL, B. T. 397

Experimental modification of digestive pathology. WELGAN, P. R. 401

EEG biofeedback: Physiological behavior modification. STERMAN, M. B. 405

ANNOUNCEMENTS 413

NEUROSCIENCE & BIOBEHAVIORAL REVIEWS

VOLUME 5 NUMBER 4 WINTER 1981

CONTENTS

Prepubertal ontogeny of responsiveness to estradiol in female rat central nervous system. DUDLEY, S. D. 421

Neurotransmitter modulation of steroid action in target cells that mediate reproduction and reproductive behavior. NOCK, B. and H. H. FEDER 437

Amphetamine psychosis and schizophrenia: A dual model. KOKKINIDIS, L. and H. ANISMAN 449

Behavioral correlates of spontaneous hypertension. TUCKER, D. C. and A. K. JOHNSON .. 463

Nicotine binding sites and their localization in the central nervous system. MARTIN, B. R. and M. D. ACETO 473

Sites and mechanisms for nictoine's action in the brain. ABOOD, L. G., D. T. REYNOLDS, H. BOOTH and J. M. BIDLACK 479

Reinforcing and other behavioral effects of nicotine. DOUGHERTY, J., D. MILLER, G. TODD and H. B. KOSTENBAUDER 487

Central sites and mechanisms of action of nicotine. ROSECRANS, J. A. and L. T. MELTZER 497

Radiation and brain calcium: A review and critique. MYERS, R. D. and D. H. ROSS 503

INDEX TO VOLUME 5 545